

### PRODUCT CONTROL NOTICE OF ACCEPTANCE

**Andersen Corporation** 100 Fourth Avenue North Bayport, MN 55003-1096

#### BUILDING CODE COMPLIANCE OFFICE

METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION

(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION (305) 375-2966 FAX (305) 375-2908

> PRODUCT CONTROL DIVISION (305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

# "Perma-Shield" Vinyl Clad Wood Awning Windows

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-0801.01** 

**EXPIRES: 08/16/2004** 

Raul Rodriguez

Chief Product Control Division

## THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS **BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.

Vyanoses / auintera

Director

Miami-Dade County

**Building Code Compliance Office** 

APPROVED: 08/16/2001

## **Andersen Corporation**

ACCEPTANCE No.: 00-0801.01

APPROVED

: August 16, 2001

**EXPIRES** 

: August 16, 2004

#### **NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

#### SCOPE 1.

1.1 This approves a wood awning window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

#### PRODUCT DESCRIPTION 2.

2.1 The "Perma-shield" Vinyl clad Wood Awning Window and its components shall be constructed in strict compliance with the following documents: Drawing No Dade-40135, titled "Awning Windows" Sheets 1 thru 6 of 6, dated 07/14/00, last revised on 07-11-01, prepared by manufacturer, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

#### LIMITATIONS 3.

3.1 This approval applies to single unit applications, as shown approved drawings.

#### **INSTALLATION** 4.

- 4.1 The vinyl clad wood awning window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit will require a hurricane protection system.

#### 5. **LABELING**

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

#### **BUILDING PERMIT REQUIREMENTS** 6.

- Application for building permit shall be accompanied by copies of the following:
  - **6.1.1** This Notice of Acceptance
  - 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
  - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda, P.E. Product Control Examiner **Product Control Division** 

## **Andersen Corporation**

ACCEPTANCE No.: 00-0801.01

APPROVED : August 16, 2001

**EXPIRES** : August 16, 2004

## NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

- 1. A. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
- 2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - a) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
- 4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
- 6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
- 8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

### END OF THIS ACCEPTANCE

Ishaq I. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner Product Control Division

# **Andersen Corporation**

ACCEPTANCE No.: 00-0801.01

APPROVED

August 16, 2001

**EXPIRES** 

August 16, 2004

# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

### A. DRAWINGS

1. Manufacturer's parts and sections drawings.

2. Drawing No **Dade-40135**, titled "Awning Windows" Sheets 1 thru 6 of 6, dated 07/14/00, last revised on 07-11-01, prepared by manufacturer

### B. TESTS

1. Test reports on

- 1) Air Infiltration Test, per PA 202-94
- 2) Uniform Static Air Pressure Test, Loading per PA 202-94
- 3) Water Resistance Test, per PA 202-94
- 4) Forced Entry Resistance Test, per AAMA 1303.5 and PA 202-94.

along with manufacturer's parts and section drawings marked-up by Architectural Testing Inc. Test Report No. **ATI-02-32059.01** dated 02/25/00 revised by addendum letter dated 3-21-01, signed and sealed by Alan N. Reeves, P.E.

## C. CALCULATIONS (see file#98-0624.05)

1. Window performance analysis & anchor verification calculations for vinyl clad wood awning window, dated 07-17-00, prepared by and signed and sealed by Richard Boyette, P.E.

### D. MATERIAL CERTIFICATIONS

- 1. Test report for "Surface Burning Characteristics for Building Products" for PVC plastic materials per ASTM E84, report No. #J98002651-004 dated April 06, 1988, issued to Andresen Corporation by Intertek Testing Services (ITS).
- 2. Test report for "Rate of Burning" per ASTM-635-81 issued by Spring Testing Institute dated January 18, 1984 to Andersen Corp for PVC material.
- 3. Test report for "Self ignition temperature" for plastic materials per ASTM D-1929, report No. #J98002653-004dated April. 27, 1988, issued by Intertek Testing Services (ITS) to Andersen Corp for PVC material.

## E. STATEMENTS

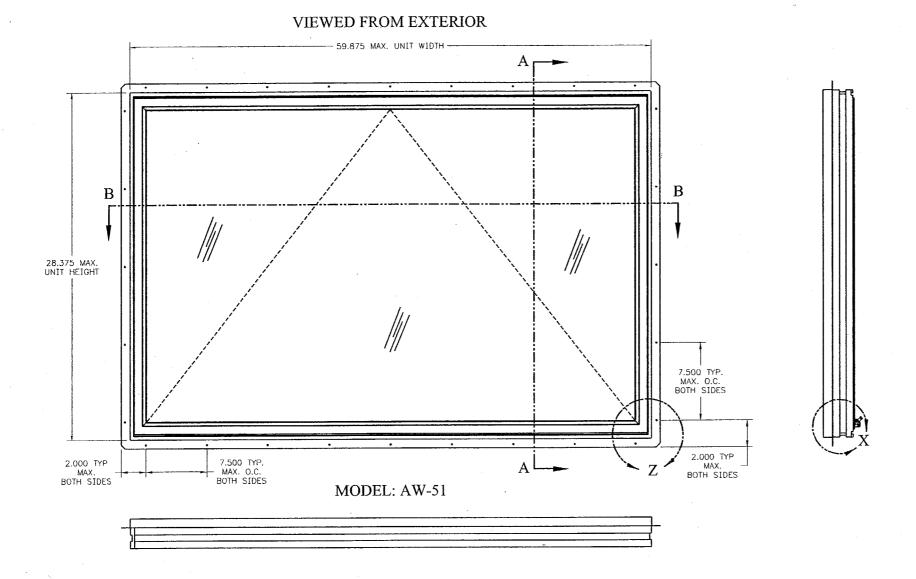
- 1. Statement letter of conformance, dated July 18, 2000, and statement "no financial interest" dated 12-11-00, signed & sealed by Richard Boyette, P.E.
- 2. Laboratory compliance letter, issued by Architectural Testing Inc., dated 14<sup>th</sup> April 2000, signed and sealed by Allen N. Reeves, P.E.
- 3. Addendum letter to test report dated 03-21-01issued by Architectural Testing Inc, signed and sealed by Allen N. Reeves, P. E.

### D. OTHER

- 1. Weathering for Vinyl Clad wood jambs not applicable due to clad being non-structural in this case.
- 2. Test Plan proposal, dated January 10, 2000, approved by this office

Ishaq 1. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner Product Control Division



NOTES:

1. INSTALLATION METHOD:

THE SPECIMEN WAS INSTALLED INTO A GRADE 2 SPF 2" BY 6" WOOD BUCK. THE NAILING FLANGE WAS SECURED USING 1-3/4" ROOFING
NAILS SPACED 2" FROM ENDS AND 7-1/2" ON CENTER. THE FLANGE WAS SEALED TO THE BUCK WITH SILICONE.

2. GLAZING SPECIFICATIONS:
THE UNITS UTILIZED NOMINAL 5/8" (.625 STANDARD) THICK INSULATING GLASS FABRICATED FROM ONE NOMINAL 1/8" (.117 STANDARD)
HIGH-PERFORMANCE (ANNEALED) OUTSIDE LITE AND ONE NOMINAL 1/8" (.122 STANDARD) HEAT-STRENGTHENED INSIDE LITE SEPARATED BY A DESICCANT FILLED METAL SPACER.

GLAZING METHOD:
GLASS WAS SET FROM THE EXTERIOR AGAINST A GE-2512 SILICONE BACKBEDDING. A DUAL-DUROMETER VINYL GLAZING BEAD WAS USED AT THE EXTERIOR.

- 3. FRAME CONSTRUCTION:
  FRAME MEMBERS WERE COPED AND SECURED WITH THREE STAPLES PER CORNER. SECURED WITH THREE STAPLES TO THE TOP AND BOTTOM MEMBERS. VINYL CLADDING WAS BONDED TO THE EXTERIOR FRAME MEMBERS.
- 4. SASH CONSTRUCTION:
  THE SASH WAS COMPRISED OF VINYL-WRAPPED WOOD WITH THE VINYL CORNERS MITER-CUT AND WELDED.
- 5. GLASS BITE = 0.436"
- 6. MIAMI-DADE COUNTY APPROVED SHUTTERS REQUIRED FOR INSTALLATION.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE AUGUST 16,2001

BY 1549 1. LLKM da PROCECT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0801.0

AWNING WINDOWS
STANDARD PRODUCT

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Andersen Corporation
Boyport, Minnesoto 55003

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APPROVE/DATE TARKET DRAWING NUMBER

A 7/14/00 APPROVE/DATE 7/11/01
REVISION

SHT. 1 OF 6

DADE-40135

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32	JAMB, SIDE	29095	PONDEROSA PINE	1.395	4.125
31	JAMB, HEAD/SILL	29094	PONDEROSA PINE	1,109	4.125
30	SCREW, #8 X 1-3/16"	3251205	STEEL	1.188	
9	SCREW, #7 X 5/8" (SPECIAL)	3620215	STEEL	0.625	
28	SCREW, #7 X 5/8" (FLAT)	3620730	STEEL	0.625	Ø0.164
27	SCREW. #8 X 1"	3621530	STEEL	1.031	Ø0.179
26	LOCK, ASSMBLY LH/RH	30813/30814	STEEL		
25	SCREW, #8 X 5/8"	3622315	STEEL	0.625	
24	KEEPER, AWNING	40149	STEEL/NYLON	2.435	
23	GLAZING BEAD625	29154	PVC	0.705	0.998
22	STAPLE, 1/2" X 2" X 16 GA.	4220206	STEEL	2.000	0.500
21	SILICONE	ANY	SILICONE CAN BE U	ISED FOR THIS APP	
20	WEATHERSTRIP BULB, RAIL	30213	PVC	0.490	0,270
19	WEATHERSTRIP BULB, STILE	30214	PVC	0.490	
18	SPACER, GLASS (SETTING BLOCK)	20065	PVC	0.900	2.000
17	SEALANT (DOW CORNING 983-2)	MDS0012	SILICONE		
16	WATERBAR	40008	PVC	0.656	0.438
	GLASS, HIGH PERFORMANCE SUN II	00080	_		
15	GLASS, HIGH PERFORMANCE	00052	-	_	_
	GLASS, CLEAR	00009			Ø0.164 0.875 0.998 0.500 PLICATION 0.270 2.000 0.438 Ø0.059 17.687 11.812 Ø0.164 9.811 MIN. 6.876 Ø0.140 2.000 2.000
14	NAIL, 1-1/2 LG. BRAD	4235252	GALVANIZED STEEL	1.500	
	OPERATOR, (A21 SIZE)	40018	STEEL	2.481	
13	OPERATOR	40140/40017		2.481	4.125 Ø0.164 Ø0.164 Ø0.164 Ø0.164 Ø0.179 — Ø0.164 0.875 0.998 0.500 PLICATION 0.270 0.270 2.000 — Ø0.438 — — Ø0.059 17.687 11.812 Ø0.164 9.811 MIN 6.876 — — Ø0.140 2.000 —
12	SCREW, #7 X 5/8"	3620780	GALVANIZED STEEL	0.625	
11	ROD, FORMED	40117	CRS	0.409	
10	HINGE, 7227, 7207 LH	40012	STAINLESS STEEL	6.631	6.876
9	HINGE, 7227, 7207 RH	40011	STAINLESS STEEL		
8	. HINGE, 7168 LH	30441	STAINLESS STEEL		-
7	HINGE, 7168 RH	30440	STEEL	· -	
6	NAIL, 1-3/4" ROOFING	-	GALVANIZED STEEL	1.750	
-	STOP, RH	29100	PONDEROSA PINE	0.906	
5	STOP, LH	29098	PONDEROSA PINE	1.158	
4	STOP, HEAD	29100	PONDEROSA PINE	1.158	
3	STOP, SILL	29102	PONDEROSA PINE	1.158	
2	SASH	30016/30017	VINYL/PINE	1.554	2.000
1	COVER, FRAME	30023	PVC		
TEM	DESCRIPTION	PART	MATERIAL	HEIGHT	WIDTH

ALL PARTS MANUFACTURED TO ANDERSEN SPECIFICATION AS NOTED BY ABOVE PART NUMBERS

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17	BEAD	SEALANT (DOW-CORNING 983-2)	ATTACHMENT OF GLASS TO SASH					
12	2	SCREW, #7 X 5/8"	ATTACHMENT OF FORMED ROD TO SASH					
25	4	SCREW, #8 x 5/8"	ATTACHMENT OF KEEPER TO SASH					
ITEM	QTY	DESCRIPTION	LOCATION					
SASH FASTNERS LIST								

- 22	BEAD	ADHESIVE STAPLE, 1/2" X 2" X 16 GA.	ATTACHMENT OF COVER FRAME (INSIDE) TO FRAME ATTACHMENT OF RAIL CORNERS TO STILE CORNERS				
30	3	SCREW, #8 X 1-3/16"	ATTACHMENT OF OPERATOR TO FRAME				
27	4	SCREW, #8 X 1"	ATTACHMENT OF LOCK ASSEMBLY TO FRAME				
28	8	SCREW, #7 X 5/8" (FLAT)	ATTACHMENT OF HINGE TO FRAME				
29	2	SCREW.#7 X 5/8" (SPECIAL)	ATTACHMENT OF HINGE TO FRAME				

[	AW51	+50/-50	28.375	59.875	27.219	58.312	24.844	24.000	55.938	55.062	30.031	26.173
. [	AW451	+50/-50	28.375	52.812	27.219	51.250	24.844	24.000	48.875	48.000	26.500	22.641
Ī	AW41	+50/-50	28.375	48.000	27.219	46.438	24.844	24.000	44.062	43.188	24.093	20.235
Ī	AW351	+50/-50	28.375	40.812	27.219	39.250	24.844	24.000	36,875	36.000	20.500	16.641
ı	AW31	+50/-50	28.375	35.938	27.219	34.375	24.844	24.000	32.000	31.125	18.062	14.204
ı	AW251	+50/~50	28.375	28.375	27.219	26.812	24.844	24.000	24.438	23.562	14.281	10.423
- 1	AW21	+50/-50	28.375	24.125	27.219	22.562	24.844	24.000	20:188	19.312	11.281	7.423
ı	A51	+50/-50	24.125	59.875	22.969	58.312	20.594	19.750	55,938	55.062	30.031	26.173
ı	A451	+50/-50	24.125	52.812	22.969	51.250	20.594	19.750	48.875	48.000	26.500	22.641
ı	A41	+70/-70	24.125	48.000	22.969	46.438	20.594	19.750	44.062	43.188	24.093	20.235
۱ ،	A351	+70/-70	24.125	40.812	22.969	39.250	20.594	19.750	36,875	36.000	20.500	16.641
ı	A31	+70/-70	24.125	35.938	22.969	34.375	20.594	19.750	32.000	31.125	18.062	14.204
ı	A251	+70/-70	24.125	28.375	22.969	26.812	20.594	19.750	24,438	23.562	14.281	10.423
1	A21	+70/-70	24.125	24.125	22.969	22.562	20.594	19.750	20.188	19.312	11.281	7.423
ı	AN51	+50/-50	20.500	59.875	19.344	58.312	16.969	16.125	55.938	55.062	30.031	26.173
1	AN451	+50/-50	20.500	52.812	19.344	51.250	16.969	16.125	48.875	48.000	26.500	22.641
İ	AN41	+70/-70	20.500	48.000	19.344	46.438	16.969	16.125	44.062	43.188	24.093	20.235
ı	AN351	+70/-70	20.500	40.812	19.344	39.250	16.969	16.125	36.875	36.000	20.500	16.641
ı	AN31	+70/-70	20.500	35.938	19.344	34.375	16.969	16.125	32.000	31.125	18.062	14.204
ı	AN251	+70/-70	20.500	28.375	19.344	26.812	16.969	16.125	24.438	23.562	14.281	10.423
İ	AN21	+70/-70	20.500	24.125	19.344	22.562	16.969	16.125	20,188	19.312	11.281	7.423
Ì	AR51	+50/-50	17.000	59.875	15.844	58.312	13.469	12.625	55.938	55.062	30.031	26.173
İ	AR451	+50/-50	17.000	52.812	15.844	51.250	13.469	12.625	48,875	48.000	26.500	22.641
- 1	AR41	+70/-70	17.000	48.000	15.844	46.438	13.469	12.625	44.062	43.188	24.093	20.235
Ì	AR351	+70/-70	17.000	40.812	15.844	39.250	13.469	12.625	- 36.875	36.000	20.500	16.641
	AR31	+70/-70	17.000	35.938	15.844	34.375	13.469	12.625	32.000	31.125	18.062	14.204
Ì	AR251	+70/-70	17.000	28.375	15.844	26.812	13.469	12.625	24.438	23.562	14.281	10.423
1	AR21	+70/-70	17.000	24.125	15.844	22.562	13.469	12.625	20.188	19.312	11.281	7.423
	SIZE DES.	DP-RATINGS (PSF)	HEIGHT	WIDTH	HEIGHT	WIDTH	GLASS DIMENSION	DAYLIGHT OPENING	GLASS DIMENSION	DAYLIGHT OPENING	DIM."A"	DIM."B"
		UNIT DIM	ENSTONS	SASH DIM	ENSIONS	GLASS DIMEN	SION HEIGHT	GLASS DIMEN	∜SION WIDTH			

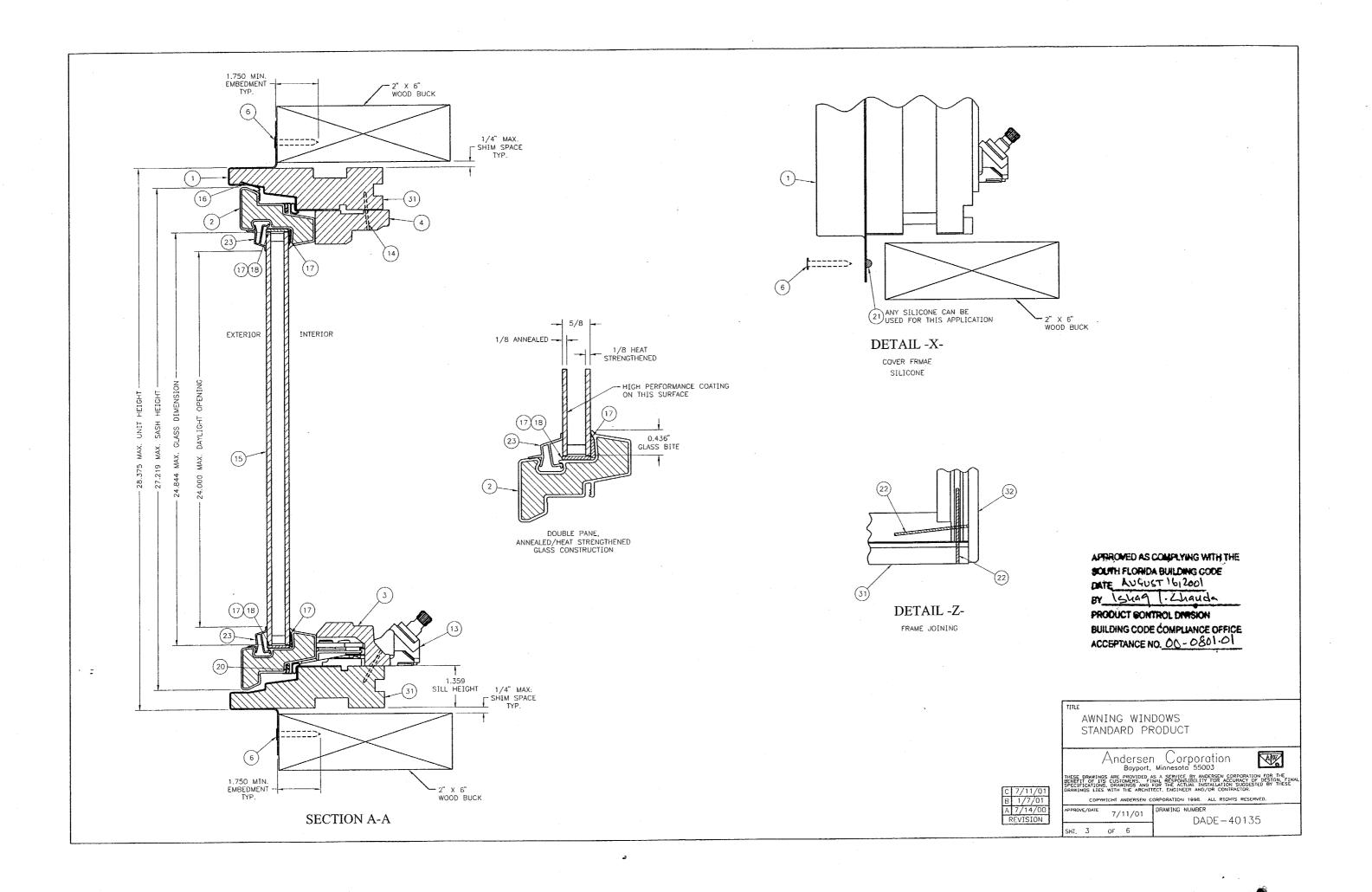
\* INDICATES TESTED UNITS

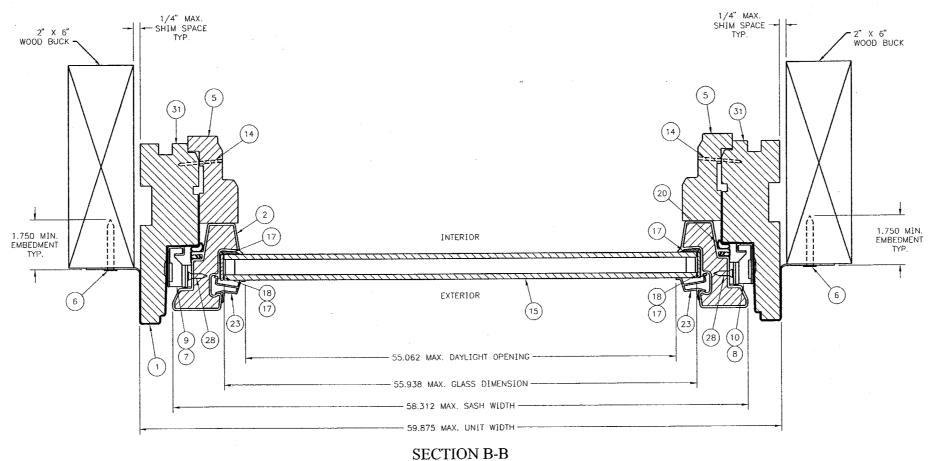
APPROVED AS COMPLYING WITH THE DATE AUGUST 16,200) BY Ishan I. Lhands PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0801-01

AWNING WINDOWS STANDARD PRODUCT Andersen Corporation
Bayport, Minnesoto 55003

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DADE-40135





DATE AUGUST 16,2001

BY Ishay I. Lhands PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0801-01

APPROVED AS COMPLYING WITH THE

C 7/11/01 B 1/7/01 A 7/14/00 REVISION

AWNING WINDOWS STANDARD PRODUCT

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Andersen Corporation

Bayport, Minnesoto 55003

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